

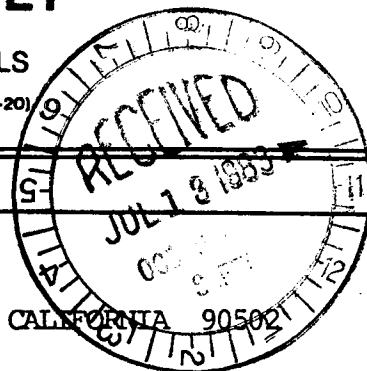
MATERIAL SAFETY DATA SHEET

CA 0988100

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP JULY 1983



Section I

MANUFACTURER'S NAME BOSTIK WEST/DIVISION OF USM CORPORATION/EMHART

STREET ADDRESS 20846 SOUTH NORMANDIE AVENUE CITY, STATE, AND ZIP CODE TORRANCE, CALIFORNIA 90502

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS EPOXY
BMS 10-11K TYPE II; DPM 110-0875MANUFACTURERS CODE IDENTIFICATION 443-3-264
CATALYST: X-304

TRADE NAME BOSTIK

MIX RATIO: MIX 3 PARTS 443-3-264 (base)
TO 1 PART X-304 BY VOLUME.

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	PERCENT (WT.)	TLV		LEL	VAPOR PRESSURE
			PPM	mg/M ³		
443-3-264 (BASE ONLY)						
METHYL ETHYL KETONE	78-93-3	20-25	200		1.8	70.0
N-BUTYL ACETATE	123-86-4	5-10	150		1.7	8.0
TOLUENE	108-88-3	5-10	200		1.2	22.0
XYLENE	1330-20-7	< 5	100		1.7	8.0
BUTYL CELLOSOLVE	111-76-2	< 5	50		1.1	1.0
N. BUTYL ALCOHOL	71-36-3	< 1	100		1.7	4.0
CHROMIUM COMPOUNDS AS: Cr.	13765-19-0	5-10	-	* 0.05	-	-
Pb.	17758-97-6	10-15	-	* 0.05	-	-
OSHA, 8 hrs., TWA						

Section III - PHYSICAL DATA

BOILING RANGE 176° - 340° F VAPOR DENSITY ☒ HEAVIER ☐ LIGHTER THAN AIR

EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER PERCENT VOLATILE BY VOLUME 63% WEIGHT PER GALLON 9.9 lbs

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY RED LABEL, FLAMMABLE (MIN.) FLASH POINT 23°F TAG CLOSED CUP LEL 1.0

EXTINGUISHING MEDIA EXCLUDE AIR - USE FOAM, CO₂, STEAM, WATER FOG, DRY CHEMICALS.
DO NOT USE WATER.UNUSUAL FIRE AND EXPLOSION HAZARDS VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN
UPPER AND LOWER EXPLOSION LIMITS.SPECIAL FIRE FIGHTING PROCEDURES DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO
COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : See Section II

EFFECTS OF OVEREXPOSURE : Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.

Emergency and first aid procedures: Skin Exposure: Wash affected area with soap & water.

Eye Exposure: Flush with water for at least 15 minutes, consult physician.

Ingestion: Consult physician immediately.

Inhalation: Remove victim to fresh air, consult physician.

Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID: Storage at high temperatures.

Incompatibility(Materials to avoid): Strong oxidizing agents. Sparks and open flame.

Hazardous Decomposition Products: On combustion CO, CO₂, Aldehydes and other organics, lead fumes oxides of nitrogen.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water.

WASTE DISPOSAL METHOD

Consult disposal expert & ensure conformity with local regulations.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION : Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION : Face velocity > 60 fpm in confined area.

Protective gloves: Chemically resistant gloves.

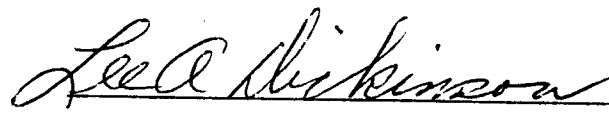
EYE PROTECTION: Chemical splash goggles or face shield.

OTHER PROTECTIVE EQUIPMENT : Eye bath & safety shower.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING : Keep containers closed when not in use. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid, etc

OTHER PRECAUTIONS
All handling equipment should be electrically grounded. Treat as a very flammable liquid.



Lee A. Dickinson
Technical Service Manager